

**LAST CHANCE AIRCRAFT BACK-UP HYDRAULIC SYSTEM**

**ABSTRACT OF THE DISCLOSURE**

- 5   **[022]**       A last chance aircraft back-up hydraulic system in which fuel from  
the fuel tanks of the aircraft is injected into the return line of a leaking hydraulic  
system by use of a pump activated by a guarded switch by the aircraft's pilot.  
The fuel serves as hydraulic fluid to operate the pumps of the system as it is  
injected upstream from the fluid being lost to extend the operating time of the  
10   system and prevent failure so the aircraft can be landed at a site.